

BEST AVAILABLE COPY

| L Number | Hits | Search Text   | DB  | Time stamp          |
|----------|------|---|---|---------------------|
| -        | 2    | ("20020144184").PN.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/07<br>15:51 |
| -        | 7    | nested adj fault\$1   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/07<br>15:52 |
| -        | 21   | nested adj (fault\$1 exception\$1)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/07<br>15:52 |
| -        | 26   | nested near (fault\$1 exception\$1)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/07<br>16:14 |
| -        | 274  | (717/124).CCLS.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/07<br>16:13 |
| -        | 235  | (717/127).CCLS.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/07<br>16:13 |
| -        | 53   | nested near (fault\$1 exception\$1 error\$1)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/07<br>16:43 |
| -        | 19   | (nested near (fault\$1 exception\$1)) not<br>(nested adj fault\$1)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/07<br>16:14 |
| -        | 8    | ("5526519"   "5590326"   "5590327"  <br>"5649139"   "5794256"   "6105041"  <br>"6178519"   "6345276").PN. | USPAT   | 2003/12/07<br>16:16 |
| -        | 0    | 6408305.URPN.   | USPAT   | 2003/12/07<br>16:16 |
| -        | 6    | ("5628016"   "5925123"   "5996058"  <br>"6003038"   "6009515"   "6021469").PN.                            | USPAT   | 2003/12/07<br>16:22 |
| -        | 1    | 6289446.URPN.   | USPAT   | 2003/12/07<br>16:22 |
| -        | 3    | ("5500881"   "5628016"   "5784613").PN.   | USPAT   | 2003/12/07<br>16:26 |
| -        | 1    | 6247169.URPN.   | USPAT   | 2003/12/07<br>16:26 |
| -        | 5    | ("5036458"   "5155853"   "5386563"  <br>"5530873"   "5535397").PN.  | USPAT   | 2003/12/07<br>16:29 |
| -        | 6    | 5701493.URPN.   | USPAT   | 2003/12/07<br>16:29 |
| -        | 8    | ("4217638"   "4434461"   "4812967"  <br>"4905196"   "4970641"   "5095426"  <br>"5115506"   "5237700").PN. | USPAT   | 2003/12/07<br>16:37 |
| -        | 19   | 5386563.URPN.   | USPAT   | 2003/12/07<br>16:37 |
| -        | 27   | (nested near (fault\$1 exception\$1<br>error\$1)) not (nested near (fault\$1<br>exception\$1))            | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/07<br>16:50 |

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| - | 448  | (714/10).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/08<br>09:00 |
| - | 213  | (714/20).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/08<br>09:00 |
| - | 71   | (714/41).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/08<br>09:00 |
| - | 84   | ((("20020144184").PN.) ((("5526519"  <br>"5590326"   "5590327"   "5649139"  <br>"5794256"   "6105041"   "6178519"  <br>"6345276").PN.) ((("5628016"   "5925123"  <br>"5996058"   "6003038"   "6009515"  <br>"6021469").PN.) 6289446.URPN. ((("5500881"<br>  "5628016"   "5784613").PN.)<br>6247169.URPN. ((("5036458"   "5155853"  <br>"5386563"   "5530873"   "5535397").PN.)<br>5701493.URPN. ((("4217638"   "4434461"  <br>"4812967"   "4905196"   "4970641"  <br>"5095426"   "5115506"   "5237700").PN.)<br>5386563.URPN.                           | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/08<br>09:00 |
| - | 726  | ((714/15).CCLS.) not<br>(((("20020144184").PN.) ((("5526519"  <br>"5590326"   "5590327"   "5649139"  <br>"5794256"   "6105041"   "6178519"  <br>"6345276").PN.) ((("5628016"   "5925123"  <br>"5996058"   "6003038"   "6009515"  <br>"6021469").PN.) 6289446.URPN. ((("5500881"<br>  "5628016"   "5784613").PN.)<br>6247169.URPN. ((("5036458"   "5155853"  <br>"5386563"   "5530873"   "5535397").PN.)<br>5701493.URPN. ((("4217638"   "4434461"  <br>"4812967"   "4905196"   "4970641"  <br>"5095426"   "5115506"   "5237700").PN.)<br>5386563.URPN.) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/08<br>14:34 |
| - | 66   | (714/19).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/08<br>12:00 |
| - | 14   | ("4901228"   "4920477"   "5134693"  <br>"5182811"   "5261066"   "5307506"  <br>"5355335"   "5398330"   "5404486"  <br>"5428807"   "5588113"   "5638526"  <br>"5663772"   "5701436").PN.   | USPAT   | 2003/12/08<br>14:57 |
| - | 3    | 5793944.URPN.   | USPAT   | 2003/12/08<br>14:57 |
| - | 2615 | ((714/15).CCLS.) ((714/20).CCLS.)<br>((714/41).CCLS.) ((712/228).CCLS.)<br>((712/244).CCLS.) ((714/19).CCLS.)<br>((710/260).CCLS.) ((710/264).CCLS.)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/08<br>15:02 |
| - | 2355 | ((714/15).CCLS.) ((714/20).CCLS.)<br>((714/41).CCLS.) ((712/228).CCLS.)<br>((712/244).CCLS.) ((714/19).CCLS.)<br>((710/260).CCLS.) ((710/264).CCLS.)  | USPAT;<br>US-PGPUB                                      | 2003/12/08<br>16:22 |
| - | 9    | ("3654448"   "3736566"   "4044337"  <br>"4385365"   "4777594"   "5023828"  <br>"5146569"   "5291589"   "5398330").PN.   | USPAT   | 2003/12/08<br>15:57 |
| - | 7    | 5588113.URPN.   | USPAT   | 2003/12/08<br>15:57 |
| - | 0    | 6374347.URPN.   | USPAT   | 2003/12/08<br>16:07 |

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| - | 22 | ("3654448"   "3736566"   "4044337"  <br>"4115854"   "4287560"   "4385365"  <br>"4777594"   "4912707"   "5023828"  <br>"5119483"   "5146569"   "5148536"  <br>"5197132"   "5291589"   "5319766"  <br>"5325520"   "5398330"   "5423011"  <br>"5430888"   "5588113"   "5590294"  <br>"5651125").PN.   | USPAT              | 2003/12/08<br>16:07 |
| - | 20 | ("3654448"   "3736566"   "4044337"  <br>"4287560"   "4385365"   "4777594"  <br>"4912707"   "5023828"   "5119483"  <br>"5146569"   "5148536"   "5197132"  <br>"5291589"   "5325520"   "5398330"  <br>"5423011"   "5430888"   "5588113"  <br>"5590294"   "5651125").PN.  | USPAT              | 2003/12/08<br>16:12 |
| - | 1  | 5881216.URPN.  | USPAT              | 2003/12/08<br>16:12 |
| - | 5  | ("3736566"   "4385365"   "4777594"  <br>"5023828"   "5146569").PN.   | USPAT              | 2003/12/08<br>16:13 |
| - | 32 | 5398330.URPN.  | USPAT              | 2003/12/08<br>16:13 |
| - | 54 | ((("3654448"   "3736566"   "4044337"  <br>"4115854"   "4287560"   "4385365"  <br>"4777594"   "4912707"   "5023828"  <br>"5119483"   "5146569"   "5148536"  <br>"5197132"   "5291589"   "5319766"  <br>"5325520"   "5398330"   "5423011"  <br>"5430888"   "5588113"   "5590294"  <br>"5651125").PN.) (("3654448"   "3736566"  <br>"4044337"   "4287560"   "4385365"  <br>"4777594"   "4912707"   "5023828"  <br>"5119483"   "5146569"   "5148536"  <br>"5197132"   "5291589"   "5325520"  <br>"5398330"   "5423011"   "5430888"  <br>"5588113"   "5590294"   "5651125").PN.)<br>5881216.URPN. (("3736566"   "4385365"  <br>"4777594"   "5023828"   "5146569").PN.)<br>5398330.URPN.   | USPAT;<br>US-PGPUB | 2003/12/08<br>16:23 |
| - | 41 | ((("3654448"   "3736566"   "4044337"  <br>"4115854"   "4287560"   "4385365"  <br>"4777594"   "4912707"   "5023828"  <br>"5119483"   "5146569"   "5148536"  <br>"5197132"   "5291589"   "5319766"  <br>"5325520"   "5398330"   "5423011"  <br>"5430888"   "5588113"   "5590294"  <br>"5651125").PN.) (("3654448"   "3736566"  <br>"4044337"   "4287560"   "4385365"  <br>"4777594"   "4912707"   "5023828"  <br>"5119483"   "5146569"   "5148536"  <br>"5197132"   "5291589"   "5325520"  <br>"5398330"   "5423011"   "5430888"  <br>"5588113"   "5590294"   "5651125").PN.)<br>5881216.URPN. (("3736566"   "4385365"  <br>"4777594"   "5023828"   "5146569").PN.)<br>5398330.URPN.) not (("3654448"  <br>"3736566"   "4044337"   "4385365"  <br>"4777594"   "5023828"   "5146569"  <br>"5291589"   "5398330").PN.)<br>5588113.URPN.) | USPAT;<br>US-PGPUB | 2003/12/08<br>16:23 |

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| - | 40 | (((("3654448"   "3736566"   "4044337"  <br>"4115854"   "4287560"   "4385365"  <br>"4777594"   "4912707"   "5023828"  <br>"5119483"   "5146569"   "5148536"  <br>"5197132"   "5291589"   "5319766"  <br>"5325520"   "5398330"   "5423011"  <br>"5430888"   "5588113"   "5590294"  <br>"5651125").PN.) ("3654448"   "3736566"  <br>"4044337"   "4287560"   "4385365"  <br>"4777594"   "4912707"   "5023828"  <br>"5119483"   "5146569"   "5148536"  <br>"5197132"   "5291589"   "5325520"  <br>"5398330"   "5423011"   "5430888"  <br>"5588113"   "5590294"   "5651125").PN.)<br>5881216.URPN. (("3736566"   "4385365"  <br>"4777594"   "5023828"   "5146569").PN.)<br>5398330.URPN.) not (((("3654448"  <br>"3736566"   "4044337"   "4385365"  <br>"4777594"   "5023828"   "5146569"  <br>"5291589"   "5398330").PN.) 5588113.URPN.<br>(((("20020144184").PN.) ("5526519"  <br>"5590326"   "5590327"   "5649139"  <br>"5794256"   "6105041"   "6178519"  <br>"6345276").PN.) ("5628016"   "5925123"  <br>"5996058"   "6003038"   "6009515"  <br>"6021469").PN.) 6289446.URPN. ("5500881"<br>  "5628016"   "5784613").PN.)<br>6247169.URPN. ("5036458"   "5155853"  <br>"5386563"   "5530873"   "5535397").PN.)<br>5701493.URPN. ("4217638"   "4434461"  <br>"4812967"   "4905196"   "4970641"  <br>"5095426"   "5115506"   "5237700").PN.)<br>5386563.URPN.) ("4901228"   "4920477"  <br>"5134693"   "5182811"   "5261066"  <br>"5307506"   "5355335"   "5398330"  <br>"5404486"   "5428807"   "5588113"  <br>"5638526"   "5663772"   "5701436").PN.)<br>5793944.URPN.) | USPAT;<br>US-PGPUB | 2003/12/08<br>16:38 |
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| - | 456 | ((714/15).CCLS.) not (((("3654448"  <br>"3736566"   "4044337"   "4115854"  <br>"4287560"   "4385365"   "4777594"  <br>"4912707"   "5023828"   "5119483"  <br>"5146569"   "5148536"   "5197132"  <br>"5291589"   "5319766"   "5325520"  <br>"5398330"   "5423011"   "5430888"  <br>"5588113"   "5590294"   "5651125").PN.)<br>((("3654448"   "3736566"   "4044337"  <br>"4287560"   "4385365"   "4777594"  <br>"4912707"   "5023828"   "5119483"  <br>"5146569"   "5148536"   "5197132"  <br>"5291589"   "5325520"   "5398330"  <br>"5423011"   "5430888"   "5588113"  <br>"5590294"   "5651125").PN.) 5881216.URPN.<br>((("3736566"   "4385365"   "4777594"  <br>"5023828"   "5146569").PN.) 5398330.URPN.<br>((("3654448"   "3736566"   "4044337"  <br>"4385365"   "4777594"   "5023828"  <br>"5146569"   "5291589"   "5398330").PN.)<br>5588113.URPN. (((("20020144184").PN.)<br>((("5526519"   "5590326"   "5590327"  <br>"5649139"   "5794256"   "6105041"  <br>"6178519"   "6345276").PN.) ((("5628016"  <br>"5925123"   "5996058"   "6003038"  <br>"6009515"   "6021469").PN.) 6289446.URPN.<br>((("5500881"   "5628016"   "5784613").PN.)<br>6247169.URPN. ((("5036458"   "5155853"  <br>"5386563"   "5530873"   "5535397").PN.)<br>5701493.URPN. ((("4217638"   "4434461"  <br>"4812967"   "4905196"   "4970641"  <br>"5095426"   "5115506"   "5237700").PN.)<br>5386563.URPN.) ((("4901228"   "4920477"  <br>"5134693"   "5182811"   "5261066"  <br>"5307506"   "5355335"   "5398330"  <br>"5404486"   "5428807"   "5588113"  <br>"5638526"   "5663772"   "5701436").PN.)<br>5793944.URPN.) | USPAT;<br>US-PGPUB | 2003/12/08<br>17:13 |
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| - | 363 | ((712/244).CCLS.) not ((714/15).CCLS.)<br>("3654448"   "3736566"   "4044337"  <br>"4115854"   "4287560"   "4385365"  <br>"4777594"   "4912707"   "5023828"  <br>"5119483"   "5146569"   "5148536"  <br>"5197132"   "5291589"   "5319766"  <br>"5325520"   "5398330"   "5423011"  <br>"5430888"   "5588113"   "5590294"  <br>"5651125").PN.) ("3654448"   "3736566"  <br>"4044337"   "4287560"   "4385365"  <br>"4777594"   "4912707"   "5023828"  <br>"5119483"   "5146569"   "5148536"  <br>"5197132"   "5291589"   "5325520"  <br>"5398330"   "5423011"   "5430888"  <br>"5588113"   "5590294"   "5651125").PN.)<br>5881216.URPN. ("3736566"   "4385365"  <br>"4777594"   "5023828"   "5146569").PN.)<br>5398330.URPN. ("3654448"   "3736566"  <br>"4044337"   "4385365"   "4777594"  <br>"5023828"   "5146569"   "5291589"  <br>"5398330").PN.) 5588113.URPN.<br>(("20020144184").PN.) ("5526519"  <br>"5590326"   "5590327"   "5649139"  <br>"5794256"   "6105041"   "6178519"  <br>"6345276").PN.) ("5628016"   "5925123"  <br>"5996058"   "6003038"   "6009515"  <br>"6021469").PN.) 6289446.URPN. ("5500881"<br>  "5628016"   "5784613").PN.)<br>6247169.URPN. ("5036458"   "5155853"  <br>"5386563"   "5530873"   "5535397").PN.)<br>5701493.URPN. ("4217638"   "4434461"  <br>"4812967"   "4905196"   "4970641"  <br>"5095426"   "5115506"   "5237700").PN.)<br>5386563.URPN.) ("4901228"   "4920477"  <br>"5134693"   "5182811"   "5261066"  <br>"5307506"   "5355335"   "5398330"  <br>"5404486"   "5428807"   "5588113"  <br>"5638526"   "5663772"   "5701436").PN.)<br>5793944.URPN.) | USPAT;<br>US-PGPUB | 2003/12/09<br>13:03 |
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| - | 364 | ((712/244).CCLS.) not ((714/15).CCLS.)<br>("3654448"   "3736566"   "4044337"  <br>"4115854"   "4287560"   "4385365"  <br>"4777594"   "4912707"   "5023828"  <br>"5119483"   "5146569"   "5148536"  <br>"5197132"   "5291589"   "5319766"  <br>"5325520"   "5398330"   "5423011"  <br>"5430888"   "5588113"   "5590294"  <br>"5651125").PN.) ("3654448"   "3736566"  <br>"4044337"   "4287560"   "4385365"  <br>"4777594"   "4912707"   "5023828"  <br>"5119483"   "5146569"   "5148536"  <br>"5197132"   "5291589"   "5325520"  <br>"5398330"   "5423011"   "5430888"  <br>"5588113"   "5590294"   "5651125").PN.)<br>5881216.URPN. ("3736566"   "4385365"  <br>"4777594"   "5023828"   "5146569").PN.)<br>5398330.URPN. ("3654448"   "3736566"  <br>"4044337"   "4385365"   "4777594"  <br>"5023828"   "5146569"   "5291589"  <br>"5398330").PN.) 5588113.URPN.<br>(("20020144184").PN.) ("5526519"  <br>"5590326"   "5590327"   "5649139"  <br>"5794256"   "6105041"   "6178519"  <br>"6345276").PN.) ("5628016"   "5925123"  <br>"5996058"   "6003038"   "6009515"  <br>"6021469").PN.) 6289446.URPN. ("5500881"<br>  "5628016"   "5784613").PN.)<br>6247169.URPN. ("5036458"   "5155853"  <br>"5386563"   "5530873"   "5535397").PN.)<br>5701493.URPN. ("4217638"   "4434461"  <br>"4812967"   "4905196"   "4970641"  <br>"5095426"   "5115506"   "5237700").PN.)<br>5386563.URPN.) ("4901228"   "4920477"  <br>"5134693"   "5182811"   "5261066"  <br>"5307506"   "5355335"   "5398330"  <br>"5404486"   "5428807"   "5588113"  <br>"5638526"   "5663772"   "5701436").PN.)<br>5793944.URPN.) | USPAT;<br>US-PGPUB | 2003/12/09<br>16:49 |
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| - | 948 | ((712/244).CCLS.) ((714/15).CCLS.)<br>("3654448"   "3736566"   "4044337"  <br>"4115854"   "4287560"   "4385365"  <br>"4777594"   "4912707"   "5023828"  <br>"5119483"   "5146569"   "5148536"  <br>"5197132"   "5291589"   "5319766"  <br>"5325520"   "5398330"   "5423011"  <br>"5430888"   "5588113"   "5590294"  <br>"5651125").PN.) ("3654448"   "3736566"  <br>"4044337"   "4287560"   "4385365"  <br>"4777594"   "4912707"   "5023828"  <br>"5119483"   "5146569"   "5148536"  <br>"5197132"   "5291589"   "5325520"  <br>"5398330"   "5423011"   "5430888"  <br>"5588113"   "5590294"   "5651125").PN.)<br>5881216.URPN. ("3736566"   "4385365"  <br>"4777594"   "5023828"   "5146569").PN.)<br>5398330.URPN. ("3654448"   "3736566"  <br>"4044337"   "4385365"   "4777594"  <br>"5023828"   "5146569"   "5291589"  <br>"5398330").PN.) 5588113.URPN.<br>(("20020144184").PN.) ("5526519"  <br>"5590326"   "5590327"   "5649139"  <br>"5794256"   "6105041"   "6178519"  <br>"6345276").PN.) ("5628016"   "5925123"  <br>"5996058"   "6003038"   "6009515"  <br>"6021469").PN.) 6289446.URPN. ("5500881"<br>  "5628016"   "5784613").PN.)<br>6247169.URPN. ("5036458"   "5155853"  <br>"5386563"   "5530873"   "5535397").PN.)<br>5701493.URPN. ("4217638"   "4434461"  <br>"4812967"   "4905196"   "4970641"  <br>"5095426"   "5115506"   "5237700").PN.)<br>5386563.URPN.) ("4901228"   "4920477"  <br>"5134693"   "5182811"   "5261066"  <br>"5307506"   "5355335"   "5398330"  <br>"5404486"   "5428807"   "5588113"  <br>"5638526"   "5663772"   "5701436").PN.)<br>5793944.URPN.) | USPAT;<br>US-PGPUB | 2003/12/09<br>16:50 |
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|   |     |  |   |                     |
|---|-----|--|---|---------------------|
| - | 330 | ((712/228).CCLS.) not (((712/244).CCLS.)<br>(((714/15).CCLS.) ("3654448"   "3736566"<br>  "4044337"   "4115854"   "4287560"  <br>"4385365"   "4777594"   "4912707"  <br>"5023828"   "5119483"   "5146569"  <br>"5148536"   "5197132"   "5291589"  <br>"5319766"   "5325520"   "5398330"  <br>"5423011"   "5430888"   "5588113"  <br>"5590294"   "5651125").PN.) ("3654448"  <br>"3736566"   "4044337"   "4287560"  <br>"4385365"   "4777594"   "4912707"  <br>"5023828"   "5119483"   "5146569"  <br>"5148536"   "5197132"   "5291589"  <br>"5325520"   "5398330"   "5423011"  <br>"5430888"   "5588113"   "5590294"  <br>"5651125").PN.) 5881216.URPN. ("3736566"<br>  "4385365"   "4777594"   "5023828"  <br>"5146569").PN.) 5398330.URPN. ("3654448"<br>  "3736566"   "4044337"   "4385365"  <br>"4777594"   "5023828"   "5146569"  <br>"5291589"   "5398330").PN.) 5588113.URPN.<br>(((("20020144184").PN.) ("5526519"  <br>"5590326"   "5590327"   "5649139"  <br>"5794256"   "6105041"   "6178519"  <br>"6345276").PN.) ("5628016"   "5925123"  <br>"5996058"   "6003038"   "6009515"  <br>"6021469").PN.) 6289446.URPN. ("5500881"<br>  "5628016"   "5784613").PN.)<br>6247169.URPN. ("5036458"   "5155853"  <br>"5386563"   "5530873"   "5535397").PN.)<br>5701493.URPN. ("4217638"   "4434461"  <br>"4812967"   "4905196"   "4970641"  <br>"5095426"   "5115506"   "5237700").PN.)<br>5386563.URPN.) ("4901228"   "4920477"  <br>"5134693"   "5182811"   "5261066"  <br>"5307506"   "5355335"   "5398330"  <br>"5404486"   "5428807"   "5588113"  <br>"5638526"   "5663772"   "5701436").PN.)<br>5793944.URPN.) )<br>7 ("4905190"   "5421014"   "5515538"  <br>"5546593"   "5649225"   "5724565"  <br>"5872985").PN.<br>5 5944816.URPN. | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/10<br>08:56 |
| - | 7   |  | USPAT   | 2003/12/09<br>17:21 |
| - | 5   |  | USPAT   | 2003/12/09<br>17:19 |

|   |    |   |   |                     |
|---|----|---|---|---------------------|
| - | 12 | ((("4905190"   "5421014"   "5515538"  <br>"5546593"   "5649225"   "5724565"  <br>"5872985").PN.) 5944816.URPN.) not<br>((("712/244).CCLS.) ((("714/15).CCLS.)<br>(("3654448"   "3736566"   "4044337"  <br>"4115854"   "4287560"   "4385365"  <br>"4777594"   "4912707"   "5023828"  <br>"5119483"   "5146569"   "5148536"  <br>"5197132"   "5291589"   "5319766"  <br>"5325520"   "5398330"   "5423011"  <br>"5430888"   "5588113"   "5590294"  <br>"5651125").PN.) ((("3654448"   "3736566"  <br>"4044337"   "4287560"   "4385365"  <br>"4777594"   "4912707"   "5023828"  <br>"5119483"   "5146569"   "5148536"  <br>"5197132"   "5291589"   "5325520"  <br>"5398330"   "5423011"   "5430888"  <br>"5588113"   "5590294"   "5651125").PN.)<br>5881216.URPN. ((("3736566"   "4385365"  <br>"4777594"   "5023828"   "5146569").PN.)<br>5398330.URPN. ((("3654448"   "3736566"  <br>"4044337"   "4385365"   "4777594"  <br>"5023828"   "5146569"   "5291589"  <br>"5398330").PN.) 5588113.URPN.<br>((("20020144184").PN.) ((("5526519"  <br>"5590326"   "5590327"   "5649139"  <br>"5794256"   "6105041"   "6178519"  <br>"6345276").PN.) ((("5628016"   "5925123"  <br>"5996058"   "6003038"   "6009515"  <br>"6021469").PN.) 6289446.URPN. ((("5500881"<br>  "5628016"   "5784613").PN.)<br>6247169.URPN. ((("5036458"   "5155853"  <br>"5386563"   "5530873"   "5535397").PN.)<br>5701493.URPN. ((("4217638"   "4434461"  <br>"4812967"   "4905196"   "4970641"  <br>"5095426"   "5115506"   "5237700").PN.)<br>5386563.URPN.) ((("4901228"   "4920477"  <br>"5134693"   "5182811"   "5261066"  <br>"5307506"   "5355335"   "5398330"  <br>"5404486"   "5428807"   "5588113"  <br>"5638526"   "5663772"   "5701436").PN.)<br>5793944.URPN.) ) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/09<br>17:19 |
| - | 5  | ("4584644"   "5179702"   "5182811"  <br>"5247675"   "5283904").PN.  | USPAT   | 2003/12/09<br>17:21 |
| - | 76 | 5515538.URPN.   | USPAT   | 2003/12/09<br>17:21 |

|   |    |   |       |                     |
|---|----|---|-------|---------------------|
| - | 74 | (((("4584644"   "5179702"   "5182811"  <br>"5247675"   "5283904").PN.)<br>5515538.URPN.) not (((712/244).CCLS.)<br>(((714/15).CCLS.) (("3654448"   "3736566"<br>  "4044337"   "4115854"   "4287560"  <br>"4385365"   "4777594"   "4912707"  <br>"5023828"   "5119483"   "5146569"  <br>"5148536"   "5197132"   "5291589"  <br>"5319766"   "5325520"   "5398330"  <br>"5423011"   "5430888"   "5588113"  <br>"5590294"   "5651125").PN.) (("3654448"  <br>"3736566"   "4044337"   "4287560"  <br>"4385365"   "4777594"   "4912707"  <br>"5023828"   "5119483"   "5146569"  <br>"5148536"   "5197132"   "5291589"  <br>"5325520"   "5398330"   "5423011"  <br>"5430888"   "5588113"   "5590294"  <br>"5651125").PN.) 5881216.URPN. (("3736566"<br>  "4385365"   "4777594"   "5023828"  <br>"5146569").PN.) 5398330.URPN. (("3654448"<br>  "3736566"   "4044337"   "4385365"  <br>"4777594"   "5023828"   "5146569"  <br>"5291589"   "5398330").PN.) 5588113.URPN.<br>(((("20020144184").PN.) (("5526519"  <br>"5590326"   "5590327"   "5649139"  <br>"5794256"   "6105041"   "6178519"  <br>"6345276").PN.) (("5628016"   "5925123"  <br>"5996058"   "6003038"   "6009515"  <br>"6021469").PN.) 6289446.URPN. (("5500881"<br>  "5628016"   "5784613").PN.)<br>6247169.URPN. (("5036458"   "5155853"  <br>"5386563"   "5530873"   "5535397").PN.)<br>5701493.URPN. (("4217638"   "4434461"  <br>"4812967"   "4905196"   "4970641"  <br>"5095426"   "5115506"   "5237700").PN.)<br>5386563.URPN.) (("4901228"   "4920477"  <br>"5134693"   "5182811"   "5261066"  <br>"5307506"   "5355335"   "5398330"  <br>"5404486"   "5428807"   "5588113"  <br>"5638526"   "5663772"   "5701436").PN.)<br>5793944.URPN.) ) (("4905190"   "5421014"<br>  "5515538"   "5546593"   "5649225"  <br>"5724565"   "5872985").PN.)<br>5944816.URPN.) | USPAT | 2003/12/10<br>08:55 |
|---|----|---|-------|---------------------|

|   |     |  |       |                     |
|---|-----|--|-------|---------------------|
| - | 955 | (((("4584644"   "5179702"   "5182811"  <br>"5247675"   "5283904").PN.)<br>5515538.URPN.) (((712/244).CCLS.)<br>(((714/15).CCLS.) ("3654448"   "3736566"<br>  "4044337"   "4115854"   "4287560"  <br>"4385365"   "4777594"   "4912707"  <br>"5023828"   "5119483"   "5146569"  <br>"5148536"   "5197132"   "5291589"  <br>"5319766"   "5325520"   "5398330"  <br>"5423011"   "5430888"   "5588113"  <br>"5590294"   "5651125").PN.) ("3654448"  <br>"3736566"   "4044337"   "4287560"  <br>"4385365"   "4777594"   "4912707"  <br>"5023828"   "5119483"   "5146569"  <br>"5148536"   "5197132"   "5291589"  <br>"5325520"   "5398330"   "5423011"  <br>"5430888"   "5588113"   "5590294"  <br>"5651125").PN.) 5881216.URPN. ("3736566"<br>  "4385365"   "4777594"   "5023828"  <br>"5146569").PN.) 5398330.URPN. ("3654448"<br>  "3736566"   "4044337"   "4385365"  <br>"4777594"   "5023828"   "5146569"  <br>"5291589"   "5398330").PN.) 5588113.URPN.<br>(((("20020144184").PN.) ("5526519"  <br>"5590326"   "5590327"   "5649139"  <br>"5794256"   "6105041"   "6178519"  <br>"6345276").PN.) ("5628016"   "5925123"  <br>"5996058"   "6003038"   "6009515"  <br>"6021469").PN.) 6289446.URPN. ("5500881"<br>  "5628016"   "5784613").PN.)<br>6247169.URPN. ("5036458"   "5155853"  <br>"5386563"   "5530873"   "5535397").PN.)<br>5701493.URPN. ("4217638"   "4434461"  <br>"4812967"   "4905196"   "4970641"  <br>"5095426"   "5115506"   "5237700").PN.)<br>5386563.URPN.) ("4901228"   "4920477"  <br>"5134693"   "5182811"   "5261066"  <br>"5307506"   "5355335"   "5398330"  <br>"5404486"   "5428807"   "5588113"  <br>"5638526"   "5663772"   "5701436").PN.)<br>5793944.URPN.) ) ("4905190"   "5421014"<br>  "5515538"   "5546593"   "5649225"  <br>"5724565"   "5872985").PN.)<br>5944816.URPN.) | USPAT | 2003/12/10<br>08:55 |
|---|-----|--|-------|---------------------|

|                |            |   |   |                     |
|----------------|------------|---|---|---------------------|
| -              | 320        | ((712/228).CCLS.) not (((712/244).CCLS.)<br>(((714/15).CCLS.) ("3654448"   "3736566"<br>  "4044337"   "4115854"   "4287560"  <br>"4385365"   "4777594"   "4912707"  <br>"5023828"   "5119483"   "5146569"  <br>"5148536"   "5197132"   "5291589"  <br>"5319766"   "5325520"   "5398330"  <br>"5423011"   "5430888"   "5588113"  <br>"5590294"   "5651125").PN.) ("3654448"  <br>"3736566"   "4044337"   "4287560"  <br>"4385365"   "4777594"   "4912707"  <br>"5023828"   "5119483"   "5146569"  <br>"5148536"   "5197132"   "5291589"  <br>"5325520"   "5398330"   "5423011"  <br>"5430888"   "5588113"   "5590294"  <br>"5651125").PN.) 5881216.URPN. ("3736566"<br>  "4385365"   "4777594"   "5023828"  <br>"5146569").PN.) 5398330.URPN. ("3654448"<br>  "3736566"   "4044337"   "4385365"  <br>"4777594"   "5023828"   "5146569"  <br>"5291589"   "5398330").PN.) 5588113.URPN.<br>(((("20020144184").PN.) ("5526519"  <br>"5590326"   "5590327"   "5649139"  <br>"5794256"   "6105041"   "6178519"  <br>"6345276").PN.) ("5628016"   "5925123"  <br>"5996058"   "6003038"   "6009515"  <br>"6021469").PN.) 6289446.URPN. ("5500881"<br>  "5628016"   "5784613").PN.)<br>6247169.URPN. ("5036458"   "5155853"  <br>"5386563"   "5530873"   "5535397").PN.)<br>5701493.URPN. ("4217638"   "4434461"  <br>"4812967"   "4905196"   "4970641"  <br>"5095426"   "5115506"   "5237700").PN.)<br>5386563.URPN.) ("4901228"   "4920477"  <br>"5134693"   "5182811"   "5261066"  <br>"5307506"   "5355335"   "5398330"  <br>"5404486"   "5428807"   "5588113"  <br>"5638526"   "5663772"   "5701436").PN.)<br>5793944.URPN.) (((("4584644"   "5179702"<br>  "5182811"   "5247675"   "5283904").PN.)<br>5515538.URPN.) (((712/244).CCLS.)<br>(((714/15).CCLS.) ("3654448"   "3736566"<br>  "4044337"   "4115854"   "4287560"  <br>"4385365"   "4777594"   "4912707"  <br>"5023828"   "5119483"   "5146569"  <br>"5148536"   "5197132"   "5291589"  <br>"5319766"   "5325520"   "5398330"  <br>"5423011"   "5430888"   "5588113"  <br>"5590294"   "5651125").PN.) ("3654448"  <br>"3736566"   "4044337"   "4287560"  <br>"4385365"   "4777594"   "4912707"  <br>"5023828"   "5119483"   "5146569"  <br>"5148536"   "5197132"   "5291589"  <br>"5325520"   "5398330"   "5423011"  <br>"5430888"   "5588113"   "5590294"  <br>"5651125").PN.) 5881216.URPN. ("3736566"<br>  "4385365"   "4777594"   "5023828"  <br>"5146569").PN.) 5398330.URPN. ("3654448"<br>  "3736566"   "4044337"   "4385365"  <br>"4777594"   "5023828"   "5146569"  <br>"5291589"   "5398330").PN.) 5588113.URPN.<br>(((("20020144184").PN.) ("5526519"  <br>"5590326"   "5590327"   "5649139"  <br>"5794256"   "6105041"   "6178519"  <br>"6345276").PN.) ("5628016"   "5925123"  <br>"5996058"   "6003038"   "6009515"  <br>"6021469").PN.) 6289446.URPN. ("5500881"<br>  "5628016"   "5784613").PN.)<br>6247169.URPN. ("5036458"   "5155853"  <br>"5386563"   "5530873"   "5535397").PN.)<br>5701493.URPN. ("4217638"   "4434461"  <br>"4812967"   "4905196"   "4970641"  <br>"5095426"   "5115506"   "5237700").PN.)<br>5386563.URPN.) ("4901228"   "4920477"  <br>"5134693"   "5182811"   "5261066" | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/10<br>09:11 |
| Search History | 6/11704615 | 5386563.URPN.) ("4901228"   "4920477"  <br>"5134693"   "5182811"   "5261066"  |   |                     |

|   |    |  |   |                     |
|---|----|--|---|---------------------|
| - | 7  | ("4620292"   "5008812"   "5043867"  <br>"5127098"   "5159686"   "5179702"  <br>"5301137").PN.  | USPAT   | 2003/12/10<br>09:10 |
| - | 32 | 5481719.URPN.  | USPAT   | 2003/12/10<br>09:10 |
| - | 30 | ((("4620292"   "5008812"   "5043867"  <br>"5127098"   "5159686"   "5179702"  <br>"5301137").PN.) 5481719.URPN.) not<br>((((("4584644"   "5179702"   "5182811"  <br>"5247675"   "5283904").PN.)<br>5515538.URPN.) (((712/244).CCLS.)<br>((714/15).CCLS.) ("3654448"   "3736566"<br>  "4044337"   "4115854"   "4287560"  <br>"4385365"   "4777594"   "4912707"  <br>"5023828"   "5119483"   "5146569"  <br>"5148536"   "5197132"   "5291589"  <br>"5319766"   "5325520"   "5398330"  <br>"5423011"   "5430888"   "5588113"  <br>"5590294"   "5651125").PN.) ("3654448"  <br>"3736566"   "4044337"   "4287560"  <br>"4385365"   "4777594"   "4912707"  <br>"5023828"   "5119483"   "5146569"  <br>"5148536"   "5197132"   "5291589"  <br>"5325520"   "5398330"   "5423011"  <br>"5430888"   "5588113"   "5590294"  <br>"5651125").PN.) 5881216.URPN. ("3736566"<br>  "4385365"   "4777594"   "5023828"  <br>"5146569").PN.) 5398330.URPN. ("3654448"<br>  "3736566"   "4044337"   "4385365"  <br>"4777594"   "5023828"   "5146569"  <br>"5291589"   "5398330").PN.) 5588113.URPN.<br>((((("20020144184").PN.) ("5526519"  <br>"5590326"   "5590327"   "5649139"  <br>"5794256"   "6105041"   "6178519"  <br>"6345276").PN.) ("5628016"   "5925123"  <br>"5996058"   "6003038"   "6009515"  <br>"6021469").PN.) 6289446.URPN. ("5500881"<br>  "5628016"   "5784613").PN.)<br>6247169.URPN. ("5036458"   "5155853"  <br>"5386563"   "5530873"   "5535397").PN.)<br>5701493.URPN. ("4217638"   "4434461"  <br>"4812967"   "4905196"   "4970641"  <br>"5095426"   "5115506"   "5237700").PN.)<br>5386563.URPN.) ("4901228"   "4920477"  <br>"5134693"   "5182811"   "5261066"  <br>"5307506"   "5355335"   "5398330"  <br>"5404486"   "5428807"   "5588113"  <br>"5638526"   "5663772"   "5701436").PN.)<br>5793944.URPN.) ) ("4905190"   "5421014"<br>  "5515538"   "5546593"   "5649225"  <br>"5724565"   "5872985").PN.)<br>5944816.URPN.))) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/10<br>09:11 |

|                |                        |  |   |                     |
|----------------|------------------------|--|---|---------------------|
| -              | 317                    | ((712/228).CCLS.) not ((712/244).CCLS.)<br>((714/15).CCLS.) ("3654448"   "3736566"<br>  "4044337"   "4115854"   "4287560"  <br>"4385365"   "4777594"   "4912707"  <br>"5023828"   "5119483"   "5146569"  <br>"5148536"   "5197132"   "5291589"  <br>"5319766"   "5325520"   "5398330"  <br>"5423011"   "5430888"   "5588113"  <br>"5590294"   "5651125").PN.) ("3654448"  <br>"3736566"   "4044337"   "4287560"  <br>"4385365"   "4777594"   "4912707"  <br>"5023828"   "5119483"   "5146569"  <br>"5148536"   "5197132"   "5291589"  <br>"5325520"   "5398330"   "5423011"  <br>"5430888"   "5588113"   "5590294"  <br>"5651125").PN.) 5881216.URPN. ("3736566"<br>  "4385365"   "4777594"   "5023828"  <br>"5146569").PN.) 5398330.URPN. ("3654448"<br>  "3736566"   "4044337"   "4385365"  <br>"4777594"   "5023828"   "5146569"  <br>"5291589"   "5398330").PN.) 5588113.URPN.<br>((("20020144184").PN.) ("5526519"  <br>"5590326"   "5590327"   "5649139"  <br>"5794256"   "6105041"   "6178519"  <br>"6345276").PN.) ("5628016"   "5925123"  <br>"5996058"   "6003038"   "6009515"  <br>"6021469").PN.) 6289446.URPN. ("5500881"<br>  "5628016"   "5784613").PN.)<br>6247169.URPN. ("5036458"   "5155853"  <br>"5386563"   "5530873"   "5535397").PN.)<br>5701493.URPN. ("4217638"   "4434461"  <br>"4812967"   "4905196"   "4970641"  <br>"5095426"   "5115506"   "5237700").PN.)<br>5386563.URPN.) ("4901228"   "4920477"  <br>"5134693"   "5182811"   "5261066"  <br>"5307506"   "5355335"   "5398330"  <br>"5404486"   "5428807"   "5588113"  <br>"5638526"   "5663772"   "5701436").PN.)<br>5793944.URPN.) (((("4584644"   "5179702"<br>  "5182811"   "5247675"   "5283904").PN.)<br>5515538.URPN.) (((712/244).CCLS.)<br>((714/15).CCLS.) ("3654448"   "3736566"<br>  "4044337"   "4115854"   "4287560"  <br>"4385365"   "4777594"   "4912707"  <br>"5023828"   "5119483"   "5146569"  <br>"5148536"   "5197132"   "5291589"  <br>"5319766"   "5325520"   "5398330"  <br>"5423011"   "5430888"   "5588113"  <br>"5590294"   "5651125").PN.) ("3654448"  <br>"3736566"   "4044337"   "4287560"  <br>"4385365"   "4777594"   "4912707"  <br>"5023828"   "5119483"   "5146569"  <br>"5148536"   "5197132"   "5291589"  <br>"5325520"   "5398330"   "5423011"  <br>"5430888"   "5588113"   "5590294"  <br>"5651125").PN.) 5881216.URPN. ("3736566"<br>  "4385365"   "4777594"   "5023828"  <br>"5146569").PN.) 5398330.URPN. ("3654448"<br>  "3736566"   "4044337"   "4385365"  <br>"4777594"   "5023828"   "5146569"  <br>"5291589"   "5398330").PN.) 5588113.URPN.<br>((("20020144184").PN.) ("5526519"  <br>"5590326"   "5590327"   "5649139"  <br>"5794256"   "6105041"   "6178519"  <br>"6345276").PN.) ("5628016"   "5925123"  <br>"5996058"   "6003038"   "6009515"  <br>"6021469").PN.) 6289446.URPN. ("5500881"<br>  "5628016"   "5784613").PN.)<br>6247169.URPN. ("5036458"   "5155853"  <br>"5386563"   "5530873"   "5535397").PN.)<br>5701493.URPN. ("4217638"   "4434461"  <br>"4812967"   "4905196"   "4970641"  <br>"5095426"   "5115506"   "5237700").PN.)<br>5386563.URPN.) ("4901228"   "4920477"  <br>"5134693"   "5182811"   "5261066" | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/10<br>09:29 |
| Search History | 6/117046153 PM Page 15 |  |   |                     |

|   |    |   |       |                              |
|---|----|---|-------|------------------------------|
| - | 6  | ("3059222"   "3245044"   "3292155"                      | USPAT | 2003/12/10                   |
| - | 46 | "3348211"   "3359544"   "3480917").PN.<br>3614740.URPN. | USPAT | 09:29<br>2003/12/10<br>09:29 |



|                |         |  |   |                     |
|----------------|---------|--|---|---------------------|
| -              | 40      | (((("3059222"   "3245044"   "3292155"  <br>"3348211"   "3359544"   "3480917").PN.)<br>3614740.URPN.) not (((("4584644"  <br>"5179702"   "5182811"   "5247675"  <br>"5283904").PN.) 5515538.URPN.)<br>(((("712/244).CCLS.) ((("714/15).CCLS.)<br>((("3654448"   "3736566"   "4044337"  <br>"4115854"   "4287560"   "4385365"  <br>"4777594"   "4912707"   "5023828"  <br>"5119483"   "5146569"   "5148536"  <br>"5197132"   "5291589"   "5319766"  <br>"5325520"   "5398330"   "5423011"  <br>"5430888"   "5588113"   "5590294"  <br>"5651125").PN.) ((("3654448"   "3736566"  <br>"4044337"   "4287560"   "4385365"  <br>"4777594"   "4912707"   "5023828"  <br>"5119483"   "5146569"   "5148536"  <br>"5197132"   "5291589"   "5325520"  <br>"5398330"   "5423011"   "5430888"  <br>"5588113"   "5590294"   "5651125").PN.)<br>5881216.URPN. ((("3736566"   "4385365"  <br>"4777594"   "5023828"   "5146569").PN.)<br>5398330.URPN. ((("3654448"   "3736566"  <br>"4044337"   "4385365"   "4777594"  <br>"5023828"   "5146569"   "5291589"  <br>"5398330").PN.) 5588113.URPN.<br>(((("20020144184").PN.) ((("5526519"  <br>"5590326"   "5590327"   "5649139"  <br>"5794256"   "6105041"   "6178519"  <br>"6345276").PN.) ((("5628016"   "5925123"  <br>"5996058"   "6003038"   "6009515"  <br>"6021469").PN.) 6289446.URPN. ((("5500881"<br>  "5628016"   "5784613").PN.)<br>6247169.URPN. ((("5036458"   "5155853"  <br>"5386563"   "5530873"   "5535397").PN.)<br>5701493.URPN. ((("4217638"   "4434461"  <br>"4812967"   "4905196"   "4970641"  <br>"5095426"   "5115506"   "5237700").PN.)<br>5386563.URPN.) ((("4901228"   "4920477"  <br>"5134693"   "5182811"   "5261066"  <br>"5307506"   "5355335"   "5398330"  <br>"5404486"   "5428807"   "5588113"  <br>"5638526"   "5663772"   "5701436").PN.)<br>5793944.URPN.) ) ((("4905190"   "5421014"<br>  "5515538"   "5546593"   "5649225"  <br>"5724565"   "5872985").PN.)<br>5944816.URPN.)) (((("712/228).CCLS.) not<br>(((("712/244).CCLS.) ((("714/15).CCLS.)<br>((("3654448"   "3736566"   "4044337"  <br>"4115854"   "4287560"   "4385365"  <br>"4777594"   "4912707"   "5023828"  <br>"5119483"   "5146569"   "5148536"  <br>"5197132"   "5291589"   "5319766"  <br>"5325520"   "5398330"   "5423011"  <br>"5430888"   "5588113"   "5590294"  <br>"5651125").PN.) ((("3654448"   "3736566"  <br>"4044337"   "4287560"   "4385365"  <br>"4777594"   "4912707"   "5023828"  <br>"5119483"   "5146569"   "5148536"  <br>"5197132"   "5291589"   "5325520"  <br>"5398330"   "5423011"   "5430888"  <br>"5588113"   "5590294"   "5651125").PN.)<br>5881216.URPN. ((("3736566"   "4385365"  <br>"4777594"   "5023828"   "5146569").PN.)<br>5398330.URPN. ((("3654448"   "3736566"  <br>"4044337"   "4385365"   "4777594"  <br>"5023828"   "5146569"   "5291589"  <br>"5398330").PN.) 5588113.URPN.<br>(((("20020144184").PN.) ((("5526519"  <br>"5590326"   "5590327"   "5649139"  <br>"5794256"   "6105041"   "6178519"  <br>"6345276").PN.) ((("5628016"   "5925123"  <br>"5996058"   "6003038"   "6009515"  <br>"6021469").PN.) 6289446.URPN. ((("5500881"<br>  "5628016"   "5784613").PN.) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/10<br>09:30 |
| Search History | 6/11704 | 6:15 PM Page 53<br>6021469).PN.) 6289446.URPN. ((("5500881"<br>  "5628016"   "5784613").PN.)   |   |                     |

|   |     |   |   |                     |
|---|-----|---|---|---------------------|
| - | 32  | ((712/244).CCLS.) and (@ad<=20010330 @rlad<=20010330 @prad<=20010330 @pd<=20010330) and @pd>20031208  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/10<br>16:39 |
| - | 15  | ((712/228).CCLS.) not ((712/244).CCLS.) and (@ad<=20010330 @rlad<=20010330 @prad<=20010330 @pd<=20010330) and @pd>20031208  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/10<br>16:47 |
| - | 29  | ((714/15).CCLS.) not ((712/228).CCLS.) ((712/244).CCLS.)) and (@ad<=20010330 @rlad<=20010330 @prad<=20010330 @pd<=20010330) and @pd>20031208  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/10<br>16:48 |
| - | 260 | (714/15).CCLS.  | EPO; JPO;<br>DERWENT;<br>IBM_TDB                        | 2004/06/11<br>10:14 |
| - | 0   | 6691250.URPN.   | USPAT   | 2004/06/11<br>10:17 |
| - | 33  | ("4589090"   "4833679"   "4972453"   "5107497"   "5195095"   "5291494"   "5301312"   "5351247"   "5440726"   "5441411"   "5528752"   "5544308"   "5557737"   "5621885"   "5712972"   "5715389"   "5727143"   "5740357"   "5748882"   "5761477"   "5812759"   "5819024"   "5852650"   "5948108"   "5948112"   "5968185"   "5974114"   "5983359"   "5983364"   "6230284"   "6240531"   "6334193"   "6338152").PN. | USPAT   | 2004/06/11<br>10:17 |
| - | 434 | (712/244).CCLS.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/11<br>11:09 |
| - | 764 | (714/15).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/11<br>11:09 |
| - | 444 | (712/228).CCLS.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/11<br>11:09 |
| - | 707 | (714/2).CCLS.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/11<br>11:09 |
| - | 844 | (710/260).CCLS.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/11<br>11:09 |
| - | 246 | (710/264).CCLS.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/11<br>11:09 |

|   |      |   |   |                     |
|---|------|---|---|---------------------|
| - | 712  | (( (710/260).CCLS.) not (( (714/15).CCLS.)<br>( (712/228).CCLS.) ( (712/244).CCLS.)<br>(("4589090"   "4833679"   "4972453"  <br>"5107497"   "5195095"   "5291494"  <br>"5301312"   "5351247"   "5440726"  <br>"5441411"   "5528752"   "5544308"  <br>"5557737"   "5621885"   "5712972"  <br>"5715389"   "5727143"   "5740357"  <br>"5748882"   "5761477"   "5812759"  <br>"5819024"   "5852650"   "5948108"  <br>"5948112"   "5968185"   "5974114"  <br>"5983359"   "5983364"   "6230284"  <br>"6240531"   "6334193"   "6338152").PN.)))<br>and (@ad<=20010330 @rlad<=20010330<br>@prad<=20010330 @pd<=20010330)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/11<br>12:03 |
| - | 166  | (( (710/264).CCLS.) not (( (710/260).CCLS.)<br>( (714/15).CCLS.) ( (712/228).CCLS.)<br>( (712/244).CCLS.) ("4589090"   "4833679"<br>  "4972453"   "5107497"   "5195095"  <br>"5291494"   "5301312"   "5351247"  <br>"5440726"   "5441411"   "5528752"  <br>"5544308"   "5557737"   "5621885"  <br>"5712972"   "5715389"   "5727143"  <br>"5740357"   "5748882"   "5761477"  <br>"5812759"   "5819024"   "5852650"  <br>"5948108"   "5948112"   "5968185"  <br>"5974114"   "5983359"   "5983364"  <br>"6230284"   "6240531"   "6334193"  <br>"6338152").PN.))) and (@ad<=20010330<br>@rlad<=20010330 @prad<=20010330<br>@pd<=20010330)                   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/11<br>12:14 |
| - | 641  | (( (714/2).CCLS.) not (( (710/264).CCLS.)<br>( (710/260).CCLS.) ( (714/15).CCLS.)<br>( (712/228).CCLS.) ( (712/244).CCLS.)<br>(("4589090"   "4833679"   "4972453"  <br>"5107497"   "5195095"   "5291494"  <br>"5301312"   "5351247"   "5440726"  <br>"5441411"   "5528752"   "5544308"  <br>"5557737"   "5621885"   "5712972"  <br>"5715389"   "5727143"   "5740357"  <br>"5748882"   "5761477"   "5812759"  <br>"5819024"   "5852650"   "5948108"  <br>"5948112"   "5968185"   "5974114"  <br>"5983359"   "5983364"   "6230284"  <br>"6240531"   "6334193"   "6338152").PN.)))<br>and (@ad<=20010330 @rlad<=20010330<br>@prad<=20010330 @pd<=20010330) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/11<br>13:12 |
| - | 306  | (( (714/2).CCLS.) not (( (710/264).CCLS.)<br>( (710/260).CCLS.) ( (714/15).CCLS.)<br>( (712/228).CCLS.) ( (712/244).CCLS.)<br>(("4589090"   "4833679"   "4972453"  <br>"5107497"   "5195095"   "5291494"  <br>"5301312"   "5351247"   "5440726"  <br>"5441411"   "5528752"   "5544308"  <br>"5557737"   "5621885"   "5712972"  <br>"5715389"   "5727143"   "5740357"  <br>"5748882"   "5761477"   "5812759"  <br>"5819024"   "5852650"   "5948108"  <br>"5948112"   "5968185"   "5974114"  <br>"5983359"   "5983364"   "6230284"  <br>"6240531"   "6334193"   "6338152").PN.)))<br>and (@ad<=20010330 @rlad<=20010330<br>@prad<=20010330 @pd<=20010330) | USPAT;<br>US-PGPUB                                      | 2004/06/11<br>12:50 |
| - | 1229 | (714/38).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/11<br>12:58 |

|   |      |  |   |                     |
|---|------|--|---|---------------------|
| - | 335  | (((714/2).CCLS.) not ((710/264).CCLS.)<br>((710/260).CCLS.) ((714/15).CCLS.)<br>((712/228).CCLS.) ((712/244).CCLS.)<br>("4589090"   "4833679"   "4972453"  <br>"5107497"   "5195095"   "5291494"  <br>"5301312"   "5351247"   "5440726"  <br>"5441411"   "5528752"   "5544308"  <br>"5557737"   "5621885"   "5712972"  <br>"5715389"   "5727143"   "5740357"  <br>"5748882"   "5761477"   "5812759"  <br>"5819024"   "5852650"   "5948108"  <br>"5948112"   "5968185"   "5974114"  <br>"5983359"   "5983364"   "6230284"  <br>"6240531"   "6334193"   "6338152").PN.)))<br>and (@ad<=20010330 @rlad<=20010330<br>@prad<=20010330 @pd<=20010330) not<br>(((714/2).CCLS.) not ((710/264).CCLS.)<br>((710/260).CCLS.) ((714/15).CCLS.)<br>((712/228).CCLS.) ((712/244).CCLS.)<br>("4589090"   "4833679"   "4972453"  <br>"5107497"   "5195095"   "5291494"  <br>"5301312"   "5351247"   "5440726"  <br>"5441411"   "5528752"   "5544308"  <br>"5557737"   "5621885"   "5712972"  <br>"5715389"   "5727143"   "5740357"  <br>"5748882"   "5761477"   "5812759"  <br>"5819024"   "5852650"   "5948108"  <br>"5948112"   "5968185"   "5974114"  <br>"5983359"   "5983364"   "6230284"  <br>"6240531"   "6334193"   "6338152").PN.)))<br>and (@ad<=20010330 @rlad<=20010330<br>@prad<=20010330 @pd<=20010330) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/11<br>12:51 |
| - | 980  | (714/38).CCLS.   | USPAT;<br>US-PGPUB                                      | 2004/06/11<br>12:58 |
| - | 1030 | ((714/38).CCLS.) not ((714/2).CCLS.)<br>((710/264).CCLS.) ((710/260).CCLS.)<br>((714/15).CCLS.) ((712/228).CCLS.)<br>((712/244).CCLS.) ("4589090"   "4833679"<br>  "4972453"   "5107497"   "5195095"  <br>"5291494"   "5301312"   "5351247"  <br>"5440726"   "5441411"   "5528752"  <br>"5544308"   "5557737"   "5621885"  <br>"5712972"   "5715389"   "5727143"  <br>"5740357"   "5748882"   "5761477"  <br>"5812759"   "5819024"   "5852650"  <br>"5948108"   "5948112"   "5968185"  <br>"5974114"   "5983359"   "5983364"  <br>"6230284"   "6240531"   "6334193"  <br>"6338152").PN.))) and (@ad<=20010330<br>@rlad<=20010330 @prad<=20010330<br>@pd<=20010330)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/11<br>13:12 |
| - | 781  | ((714/38).CCLS.) not ((714/2).CCLS.)<br>((710/264).CCLS.) ((710/260).CCLS.)<br>((714/15).CCLS.) ((712/228).CCLS.)<br>((712/244).CCLS.) ("4589090"   "4833679"<br>  "4972453"   "5107497"   "5195095"  <br>"5291494"   "5301312"   "5351247"  <br>"5440726"   "5441411"   "5528752"  <br>"5544308"   "5557737"   "5621885"  <br>"5712972"   "5715389"   "5727143"  <br>"5740357"   "5748882"   "5761477"  <br>"5812759"   "5819024"   "5852650"  <br>"5948108"   "5948112"   "5968185"  <br>"5974114"   "5983359"   "5983364"  <br>"6230284"   "6240531"   "6334193"  <br>"6338152").PN.))) and (@ad<=20010330<br>@rlad<=20010330 @prad<=20010330<br>@pd<=20010330)   | USPAT;<br>US-PGPUB                                      | 2004/06/11<br>13:12 |

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